

## **LAND SMOOTHING**

### **Design Survey**

The following information shall be obtained and recorded in the field notes:

- a. Determination of area to be smoothed (Traverse - reference stakes, random topography, and in some instances from photos).
- b. Elevation stakes as required.
- c. Extent and location of borrow or waste areas.

### **Design Data**

The following shall be considered minimum in the design of all land smoothing operations. The information shall be recorded in the design notes, on the construction drawings or in the field notes.

- a. Soils investigations.
- b. Area to be treated.
- c. Requirements of cropping system.
- d. Allowance for settlement (if required).
- e. Availability of materials and location of disposal areas.

### **Drawing and Specifications**

The construction drawings shall include but will not be limited to the following:

- a. Plan showing area to be smoothed.
- b. Location of disposal or borrow areas.
- c. Location map.

Practice specifications along with applicable "Items of Work and Construction Details" shall be provided for each item or phase of construction, if required.

### **Layout Survey Notes**

The following information shall be recorded in the field notes. On some projects the layout may be accomplished at the time of the design survey.

- a. Outline of area to be treated.
- b. Sufficient grade stakes to indicate extent of cut or fill required.

### **Compliance Checks**

Compliance checks shall be recorded in the field notes. The checks shall include but will not be limited to the following:

- a. Area to be smoothed.
- b. Sufficient random topographic shots to determine adequacy of smoothing operations.
- c. Statement of compliance.

### **As-Built Plans**

If plans were required to inform the owner or contractor of smoothing requirements, "As-Built" plans shall be prepared. These drawings shall reflect all significant changes in area or degree of smoothing. If there were no changes the original drawings shall be marked "As-Built".